

Roll No. ....

Total Pages : 02

**BCA/M-20**

**1902**

INTERNET TECHNOLOGIES

BCA-364

Time : Three Hours]

[Maximum Marks : 80

**Note** Q. No.1 is compulsory. Attempt more questions by selecting one question from each Section. All questions carry equal marks.

**1.** Compulsory question :

- (a) Differentiate between Internet and Intranet
- (b) Explain Domain Name Space with examples.
- (c) Explain various protocols used for remote login.
- (d) What do you mean by Firewall ?

**Section I**

**2.** What do you mean by Web Browser ? Explain its purpose and types in detail with examples. **16**

**3.** Differentiate between TCP/IP and OSI Model in details. **16**

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**1**

## **Section II**

- 4.** What do you mean by IP address ? What are advantages of IPv6 over IPv4 ? Discuss various features of IPv6.
- 5.** What is DNS ? How DomainName is mapped to addresses ? Explain recursive and iterative name resolution techniques. **16**

## **Section III**

- 6.** What is e-Mail ? Explain various protocols and services of e-Mail. **16**
- 7.** What is Real Time Transport Protocol ? Explain its packet format. Also explain three functions of RTCP protocol. **16**

## **Section IV**

- 8.** Explain the concept of Network Address Translation and Virtual Private Network in detail. **16**
- 9.** What do you mean by Internet Security ? Explain various Internet security measures in detail. **16**